

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 26 JAN 2004

WIPO EGT

Applicant's or agent's file reference 01056WO	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US02/15296	International filing date (day/month/year) 1 MAY 2002	Priority date (day/month/year) 15 MAY 2001
International Patent Classification (IPC) or national classification and IPC Please See Supplemental Sheet.		
Applicant QUALCOMM INCORPORATED		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 38.

2. This REPORT consists of a total of 4 sheets.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- CORRECTED VERSION**
- I ☒ Basis of the report
  - II ☐ Priority
  - III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
  - IV ☐ Lack of unity of invention
  - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement
  - VI ☐ Certain documents cited
  - VII ☐ Certain defects in the international application
  - VIII ☐ Certain observations on the international application

Date of submission of the demand 13 DECEMBER 2002	Date of completion of this report 02 SEPTEMBER 2003
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20531	Authorized officer JEAN A GELIN <i>Rugenia Zogan</i>
Facsimile No. (703) 805-3230	Telephone No. (703) 805-3237

**I. Basis of the report****1. With regard to the elements of the international application:\***☐ the international application as originally filed☒ the description:

pages \_\_\_\_\_ (See Attached)

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

☒ the claims:

pages \_\_\_\_\_ (See Attached)

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, as amended (together with any statement) under Article 19

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

☒ the drawings:

pages \_\_\_\_\_ (See Attached)

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

☒ the sequence listing part of the description:

pages \_\_\_\_\_ (See Attached)

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

**2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:**☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☐ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).**3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:**☐ contained in the international application in printed form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.**4. ☒ The amendments have resulted in the cancellation of:**☒ the description, pages \_\_\_\_\_ NONE☒ the claims, Nos. \_\_\_\_\_ NONE☒ the drawings, sheets/fig \_\_\_\_\_ NONE**5. ☒ This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(e)).\*\***

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US02/15296

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. statement

Novelty (N)

Claims 1-8 YESClaims NONE NO

Inventive Step (IS)

Claims NONE YESClaims 1-8 NO

Industrial Applicability (IA)

Claims 1-8 YESClaims NONE NO

## 2. citations and explanations (Rule 70.7)

Claims 1-8 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest triggering the target communication device to re-establish its traffic channel and storing the dormant-wakeup trigger for later transmission to the target communication device.

----- NEW CITATIONS -----

NONE

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US02/15298

## Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

## CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below:

IPC(7): H04Q 1/00; H04B 7/00 and US Cl.: 455/415, 417, 420, 518, 519, 343, 574.  
340/7.32, 7.33, 7.21, 10.34, 10.33.

## I. BASIS OF REPORT:

This report has been drawn on the basis of the description,  
page(s) 1-26, as originally filed.  
page(s) NONE, filed with the demand.  
and additional amendments:  
NONE

This report has been drawn on the basis of the claims,  
page(s) NONE, as originally filed.  
page(s) NONE, as amended under Article 19.  
page(s) NONE, filed with the demand.  
and additional amendments:  
pages 27-28 filed with the letter of 29 May 2003.

This report has been drawn on the basis of the drawings,  
page(s) 1-7, as originally filed.  
page(s) NONE, filed with the demand.  
and additional amendments:  
NONE

This report has been drawn on the basis of the sequence listing part of the description:  
page(s) NONE, as originally filed.  
pages(s) NONE, filed with the demand.  
and additional amendments:  
NONE

5. (Some) amendments are considered to go beyond the disclosure as filed:  
NONE

- AMENDED SHEET

- [c6] 6. The apparatus of claim 1, further including:  
means for transmitting the stored dormant-wakeup trigger to the target mobile as soon as the target mobile has re-established a traffic channel.
- [c7] 7. An apparatus for reducing latency in a group communication network, the communication device comprising:  
a memory unit;  
a receiver;  
a transmitter; and  
a processor communicatively coupled to the memory unit, the receiver, and the transmitter, the processor being capable of:  
receiving a dormant-wakeup trigger directed to a target communication device;  
triggering the target communication device to re-establish its traffic channel; and  
storing the dormant-wakeup trigger for later transmission to the target communication device.
- [c8] 8. The apparatus of claim 7, wherein the processor is further capable of:  
transmitting the stored dormant-wakeup trigger to the target mobile as soon as the target mobile has re-established a traffic channel.